



- (b) A distributed estimation module that receives the pre-processed image and application domain structure and having an estimated structure output.
9. The structure estimation module of claim 8 wherein the preprocessing module performs edge detection.
10. The structure estimation module of claim 8 wherein the distributed estimation module further comprises
- (a) a sub-region generation module having a sub-regions output;
 - (b) a robust structure-guided estimation module that receives a sub-regions output having an estimated structure output.
11. A structure estimation module comprising
- (a) means to receive an image input;
 - (b) means to receive an application domain structure input;
 - (c) a preprocessing module that receives the image input having a pre-processed image output;
 - (d) a distributed estimation module that receives the pre-processed image and application domain structure inputs having an estimated structure output.
12. The structure estimation module of claim 11 wherein the preprocessing module performs a feature extraction such as edge detection.
13. The structure estimation module of claim 11 wherein the distributed estimation module comprises
- (c) a sub-region generation module having a sub-region output;
 - (d) a robust structure-guided estimation module that receives the sub-region output having a feature parameter output.
14. The distributed estimation module of claim 13 wherein the robust structure-guided estimation module receives a box caliper input.